# Met Office Mountain Weather Forecast

## Yorkshire Dales National Park

Forecast valid from 06:00 on Thursday 12 Jan 2023 until 23:59 on Friday 13 Jan 2023

Forecast Issued on Thursday 12 Jan 2023 at 03:45

**Confidence:** High for unsettled for much of the period, also for turning to a colder more sheltered northerly for Monday, but lowering confidence for detail of timing and intensity of worst of weather due to the mobile nature of the westerly flow prior to Monday's northerly.

**Headline for Thursday 12 Jan 2023:** Unsettled and turning windy. Some snow across higher peaks especially later in day.

**Mountain weather hazards on Thursday 12 Jan 2023**

| | | |
|---|---|---|
| **Blizzards**<br>No Likelihood | **Heavy persistent snow**<br>No Likelihood | **Storm force winds**<br>Medium Likelihood |
| **Gales**<br>High Likelihood | **Severe chill effect**<br>Medium Likelihood | **Poor visibility**<br>Medium Likelihood |
| **Thunderstorms**<br>No Likelihood | **Heavy persistent rain**<br>Low Likelihood | **Strong sunlight**<br>No Likelihood |

| **Weather and chance of precipitation at 600m** | | | | | |
|---|---|---|---|---|---|
| Time | | | | | |
| 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| | | | | | |
| Drizzle | Heavy Rain | Heavy rain showers | Sleet | Sleet | Sleet |
| Precipitation probability | | | | | |
| 40% | 20% | 30% | 40% | 40% | 70% |

**Forecast for Thursday 12 Jan 2023**

**Weather:** Overcast start to Thursday with rain, heavy at first before turning light and patchy during the morning. Some light rain, but largely dry from mid-morning with some limited brighter spells appearing late morning. Mix of sunshine and showers for the afternoon with outbreaks heavy at times, particularly across western areas of the Park, also turning wintry above 700m from late afternoon. Showers merging to longer periods of occasionally heavy rain and summit snow later in the evening.

**Chance of cloud-free hill tops above 600m:** 20% early morning, becoming 80% late morning, 60% for the afternoon then 20% during late evening period.

**Low Cloud and visibility:** Good becoming moderate or poor in rain, very poor in snow and within cloud with bases quite extensive down to 500m early morning, infrequently so late morning, occasionally for the afternoon and extensive again during evening.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
© Crown Copyright 2023. All Rights Reserved.

# Met Office Mountain Weather Forecast

**Forecast for Thursday 12 Jan 2023**

| Height (m) | Wind Speed mean/gusts (mph) Wind Direction (blowing from) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 19/24 SW | 26/37 SW | 31/43 SW | 32/46 SW | 35/50 SW | 37/54 SW | 36/53 SW |
| **300** | 7/20 SW | 18/36 SW | 19/39 SW | 21/43 SW | 21/44 SW | 24/49 SW | 25/50 SW |
| **Valley** | 3/13 SW | 14/32 SW | 16/35 SW | 16/36 SW | 20/44 SW | 23/49 SW | 24/49 SW |

| Height (m) | Temperature / Feels Like (°C) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 3/-2 | 5/-1 | 5/-1 | 3/-4 | 2/-6 | 2/-6 | 2/-6 |
| **300** | 5/2 | 7/3 | 8/3 | 5/0 | 4/-1 | 4/-2 | 4/-2 |
| **Valley** | 6/4 | 8/5 | 9/5 | 6/2 | 6/2 | 6/1 | 6/1 |
| **Freezing Level*** | 1400m | 1300m | 1200m | 800m | 800m | 800m | 1000m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

Some difficult conditions early with quite extensive hill fog, also later as gales and snow develop with height.

**Recent rainfall:** measured at Malham: altitude 375m

| Recorded at | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|---|---|---|---|
| 03:00 on Thu 12 Jan 2023 | 20.8mm | 53.2mm | 60.2mm |

**Forecast for Friday 13 Jan 2023**

**Weather:** An unsettled, generally cloudy and showery day with snow largely confined from 600m and above. Showers occasionally heavy and potentially merging to longer periods of rain and summit snow at times, particularly early morning and during the evening. Gale to severe gale summit winds at first.

**Maximum wind:** West or southwest initially mean 35-40mph with gusts reaching 50-60mph across most exposed ridges and summits. Winds easing gradually through the day.

**Chance of cloud-free hill tops above 600m:** 60-70% for any one time, but very low for extended periods given the showery nature of the flow.

**Low Cloud and visibility:** Good becoming moderate or poor in rain, very poor in snow and within cloud with bases occasionally lowering to 500m

**Temperature:** **Valleys:** Plus 2 degrees Celsius becoming plus 8 degrees Celsius during the afternoon.
**At 600m:** Plus 2 degrees Celsius.
**Freezing level:** 700m.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
© Crown Copyright 2023. All Rights Reserved.